

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

see form PCT/ISA/220

PCT

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION

See paragraph 2 below

International application No.
PCT/JP2005/006805

International filing date (day/month/year)
31.03.2005

Priority date (day/month/year)
08.04.2004

International Patent Classification (IPC) or both national classification and IPC
G06F9/46, G07F7/10

Applicant
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



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WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**Box No. I Basis of the opinion**

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material:
 - a sequence listing
 - table(s) related to the sequence listing
 - b. format of material:
 - in written format
 - in computer readable form
 - c. time of filing/furnishing:
 - contained in the international application as filed.
 - filed together with the international application in computer readable form.
 - furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/JP2005/006805

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or
industrial applicability; citations and explanations supporting such statement**

1. Statement

Novelty (N) Yes: Claims 1-12
 No: Claims

Inventive step (IS) Yes: Claims 1-12
 No: Claims

Industrial applicability (IA) Yes: Claims 1-12
 No: Claims

2. Citations and explanations

see separate sheet

Re Item V.

- 1 Reference is made to the following documents:
D1 : WO 00/45262 A (SUN MICROSYSTEMS, INC) 3 August 2000 (2000-08-03)
D2 : WO 98/52159 A (MONDEX INTERNATIONAL LIMITED) 19 November 1998
(1998-11-19)
D3 : GB 2 356 469 A (* MOTOROLA LIMITED; * MOTOROLA AUSTRALIA PTY LTD) 23 May 2001 (2001-05-23)
- 2 Document D1, which is considered to represent the most relevant state of the art, discloses (the references in parentheses applying to this document):
a semiconductor memory (Fig. 6 ref. 400) which is capable of executing at least two application programs (Fig. 6 ref. 420 and 620), comprising:
a first storage unit (Fig. 6 ref. 440) operable to store data relating to a first application program (Fig. 6 ref. 630);
a second storage unit (Fig. 6 ref. 640) operable to store data relating to a second application program (Fig. 6 ref. 630);

From this, the subject-matter of independent claim 1 differs in that:
a level identification unit identifies respective security levels;
a duplication unit duplicates the data stored in the first storage unit and stores the duplicated data into the second storage unit in case where a relationship between the two security levels identified by the level identified unit meets a predetermined condition.

- 2.1 The subject-matter of claim 1 is therefore novel (Article 33(2) PCT)
The problem to be solved by the present invention may be regarded as:
How to make data available to distinct application programs within a semiconductor memory?
- 2.2 The solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT) for the following reasons:
The solution disclosed in D1 does not involve the actual moving or duplicating of data

within different part of the memory. It describes techniques for permitting access to data associated with another application program across the firewall of the card. In D1 the data are never duplicated or moved within the memory.

- 2.3 Claims 2-8 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

3 Other prior art documents

- 3.1 The document D2 discloses a multi-application card having an application structure and a memory organization which provides data interaction between applications through a data transfer to an external terminal (cf. p. 9 lin. 3-6).

- 3.2 The document D3 teaches a memory comprising pages having different security levels but no transfer of data between these pages.

- 4 The same reasoning (cf. point 2) applies, mutatis mutandis, to the subject-matter of the corresponding independent claims 9 (method), 10 (program), 11 (recording medium) and 12 (processor), which therefore are also considered new and inventive.

- 5 Claims 2-8 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.